



INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (11-07)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management
Office of Pollution Prevention and Technical Assistance
100 North Senate Avenue IGCS W041
Indianapolis, IN 46204-2251
Telephone: (800) 988-7901
FAX: (317) 233-5627
E-mail: esp@idem.IN.gov
www.in.gov/idem/prevention/esp

When to use this annual report form...

STOP! Is your facility a member of the U.S. Environmental Protection Agency's National Environmental Performance Track and Indiana Environmental Stewardship Program? If so, please use the U.S. EPA National Environmental Performance Track Annual Performance Report form available at <http://www.epa.gov/performance/track/program/report.htm>. The U.S. EPA will notify IDEM after receiving your annual performance report.

GO! Please use this annual report form if you are only a member of the Indiana Environmental Stewardship Program and not a member of the National Environmental Performance Track. Your Annual Performance Report should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, fax, mail, or e-mail the report to IDEM. If you have any questions, please contact the ESP Program Manager at 800-988-7901.

The Indiana Environmental Stewardship Program (ESP) Annual Performance Report should demonstrate progress toward objectives and targets AND certify ESP requirements continue to be achieved. The Annual Performance Report should cover the twelve (12) month calendar year and include the status of projects committed to in your facility's original ESP application, results of completed projects, and assurance that an annual internal environmental management system audit was conducted by your facility. Indiana ESP facilities must submit an Annual Performance Report by April 1st of every year, for each calendar year in which the entity has been a member for at least three (3) full months.

Please do not include any confidential business information in your Annual Performance Report. Public access laws require IDEM to make the Annual Performance Report publicly available, which may include posting all portions of your report on the Indiana ESP Web site.

SECTION A

FACILITY INFORMATION

Name of Facility

Mitsubishi Climate Control

Name of Parent Company (If applicable)

Mitsubishi Heavy Industries, LTD

Street Address (number and street)

1200 North Mitsubishi Parkway

City/State/ZIP Code

Franklin, Indiana 46131

Facility/Company Web site

N/A

CONTACT INFORMATION

Contact Name (Mr./Mrs./Ms./Dr.)

Mr. Kent M. Smith

Title

Facility / Environmental Manager

Telephone number

1-317-346-5058

FAX number

1-738-4292

E-mail address

kents@mhicc.com

Mailing Address (if different from facility address)

1200 North Mitsubishi Parkway

City/State/ZIP Code

Franklin, Indiana 46131

Reporting Period Dates

1/01/08-12/31/08

If this is your third Annual Performance Report, do you wish to renew your Indiana Environmental Stewardship Program membership?

☐ Yes---If yes, please complete all sections of this annual report.

☒ No---If no, you can skip Section D of this annual report.

CHANGE IN INFORMATION

In your ESP application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any changes or additions to your facility's list of products or activities? If so, please list them in the space below.

☒ Yes ☐ No

Greenwood facility closed down completely on September 12, 2008. We stopped production on the HVAC system and Laid off most of the associates. Some of the process came to the Franklin main plant. (Service and repack). We continue to machine parts for the scroll compressors we sell and also the assembly process is still continuing for the scroll compressors. Starting on June 19, 2009 the assembly and machining process will be shutdown and put on

hold until the end of 2010 or possibly 2011. Coolant/Water evaporation will only be used on a needed basis according to the PM on coolant changeout. There will be a large reduction of associates after June 19, 2009. A skeleton crew will operate the facility but will continue the TS-16949 and the ISO-14001 programs. Will run any new production as it would come up with the skeleton crew.

SECTION B
ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT
Why do we need this information?

IDEM needs information on the performance and assessment activities of your Environmental Management System (EMS).

What do you need to do?

Please summarize your facility's EMS assessments. Attach additional sheets as necessary.

<p>1. Is your facility currently registered to a recognized third-party EMS standard?</p> <p><input checked="" type="checkbox"/> Yes</p> <p>a. If yes, when was an EMS audit or other assessment last conducted by an independent third party at your facility? Please provide the <i>type</i> (e.g., ISO 14001 certification), <i>scope</i>, and <i>month</i> of the last assessment.</p> <p><input type="checkbox"/> No</p> <p>b. If no, when was an internal or corporate EMS audit last conducted at your facility? Please provide the <i>scope</i> and <i>month</i> of the last assessment.</p>	<p>Year: 2009</p> <p>Type: Recertification of ISO-14001:2004</p> <p>Scope: Franklin Main plant production and Wind tunnel</p> <p>Month: March</p> <p>Year:</p> <p>Scope:</p> <p>Month:</p>
<p>2. When did your facility last conduct an internal or corporate compliance audit? Please provide the <i>scope</i> and <i>month(s)</i> of each audit, and indicate <i>who</i> conducted the audit(s) (e.g., facility staff, corporate groups, third party). Do not include audits, inspections, or site visits by regulatory organizations.</p>	<p>Year: 2008</p> <p>Scope: Determine Compliance status of Main Plant and Wind Tunnel</p> <p>Month(s): March</p> <p>Who: August Mack</p>
<p>3. (Optional) Please describe any other audits that were conducted at your facility.</p>	<p>On 4/09/08 & 8/27/08 Internal ISO Environmental audits, On 8/14/08 Idem inspection of the facility, External ISO-14001 audit on 11/08/08. Tokio Marine building insurance audit on 6/27/08.</p>
<p>4. Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?</p> <p><input checked="" type="checkbox"/> Yes</p> <p>a. If yes, briefly summarize corrective actions taken and other improvements made as a result of your EMS assessment(s) or compliance audit(s).</p> <p><input type="checkbox"/> No</p> <p>b. If no, please explain your plans to correct these instances.</p> <p><input type="checkbox"/> No such instances identified.</p>	<p>We use a corrective action system to create corrective and preventive actions. Currently all 2008 Corrective and preventive actions have been closed.</p>
<p>5. Explain the emergencies experienced within the facility during the past year. Were the applicable emergency and contingency plans detailed in the EMS effective? What changes, if any, have been made to your facility's emergency or contingency plans?</p>	<p>Fire and Tornado drills were conducted on several occasions to verify if all plans were being followed in a safe manner. We had a mock spill on a large container outside the plant on the pavement. Tank had water in it the simulated an oil spill. Emergency response team was notified and responded. Everything went well and proved to be satisfactory. We did have a situation where the annodizer valve for the degreaser tank was left on accidentally by the operator. This valve was normally closed but was left on while the operator was filling tank with RO water/acid solution After filling was complete the valve was not closed totally and after a few hours the spill occurred. The spill was contained and did not leave the area of the containment set up for this type of situation. Training was given to the operators and a valve lock out was installed on the valve with the supervisors have the only access to unlock. We also had a semi truck leak some motor oil on the pavement by the dock area. This was less than a 3 quart spill and was quickly cleaned up by the emergency response team and the absorbents</p>

	<p>were disposed of in the identified manner. Both of these spills were cleaned up in a effective manner by the emergency response team. Emergency response plan was changed on 5/08 Rev 7 to reflect changes in the emergency response team. SOP-0075 Contingency plan Rev 3 dated 8/17/2006 was reviewed in 2008 but no changes were needed.</p>	
6. When was the last Senior Management review of your EMS completed?	<p>Month/Year: 12/08.</p> <p>Who headed the review? Name and Title: John Hann (General Manager)/ Kent Smith(Environmental Manager)</p>	
7. When did your facility last conduct a systematic identification or review of your environmental aspects?	<p>Month/Year: We had several cross functional team meetings in 2008 that continued to review aspects whether they were old , new, or needed modified.</p>	
10. (Optional) Please provide a narrative summary of progress made toward EMS objectives and targets <u>other than those reported as an Environmental Performance Initiative in the following section</u> . You may limit the summary to environmental aspects that are <i>significant</i> and towards which <i>progress</i> has been made during the last calendar year. Attach additional sheets as necessary.	Environmental Aspect	Progress Made This Year (e.g., quantitative or qualitative improvements, activities conducted)

SECTION C**ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS****Why do we need this information?**

Facilities need to share the results of the environmental improvement initiative that was pursued during the reporting period.

What do you need to do?

Use the following table to summarize your facility's environmental performance as compared to your ESP environmental improvement initiative.

Category: **Coolant reduction in gallons hauled by contractor plus cost savings**

Aspect: **Waste water evaporator**

Specific Information on Aspect (optional):

	Baseline	Progress during year 2008	Environmental Improvement Initiative Goal	Cost Savings (if applicable)
Actual Quantity (per year)	69,949 hauled	92,500 hauled	3,497 hauled	\$17,682.30 saved but total gallons of coolant generated was 151,441 due to increased production and added coolant change outs on production equipment.
Measurement Unit	gallons		gallons	
Normalized Quantity (per year)	1 gallon	1 gallon	1 gallon	
Basis for your Normalizing Factor (e.g., gallons of paint produced)	Amount hauled by contractor in 2007, No evaporation	Production sales increased and the amount of coolant increased that needed to be ran through the evaporator	Actually 151,441 gallons of coolant was generated. Only 92,500 was hauled away. 58,941 gallons was evaporated. Around a 64 % reduction	

Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

By using 2007 as a baseline was difficult due to the fact that sales had increased. So the best way to look at the savings was to see how much water in the coolant was actually evaporated and how much coolant was hauled away by the end of 2008. The Outside holding tank that holds the coolant is 3,000 gallon. Many times machining would empty an additional 1,000 to 1,500 gallons at a time and would have to have the coolant hauled away in place of evaporating it. The cost of hauling was .30 per gallon. A second tank was put in the budet but was put on hold until new sales numbers come out in 2009.

Please list any state, EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL).

N/A

(Optional) If your facility has experienced continued results for environmental improvement initiatives pursued in past years of ESP membership, please share those results here.

Our recycling efforts for Cardboard in 2008 compared to 2007 was Disposal and Hauling avoidance was \$199.56 more in 2008. We received a check for the cardboard we sold that was \$552.30 more than 2007. And the skids we sold was \$182.29 more in 2008 than 2007. The total cost was \$934.15 more in 2008 than 2007. Also for the coolant to be hauled away we contracted a new hauler that charged us .30 per gallon in 2008 verses .32 per gallon in 2007. Total coolant savings for 2008 considering 92,500 gallons was hauled away at cost of .30 equaled \$27,750 in stead in place of 2007 cost of .32/gal equaled \$29,600.

This was a \$1,850.00 savings on top of the evaporated savings.

SECTION D**ENVIRONMENTAL IMPROVEMENT INITIATIVES****Why do we need this information?**

Facilities need to demonstrate their commitment to improving environmental performance.

What do you need to do?

Refer to the Environmental Performance Table.

For ESP membership, you must identify three (3) environmental improvement initiatives for each 3-year membership term. One (1) initiative was identified in the application and the remaining will be identified each year in the annual report. Identify the new initiative that will begin this year by answering the following questions. Choose an indicator from the Environmental Performance Indicator Table to measure the identified environmental initiative. The Environmental Performance Indicator Table is provided with the ESP Application and is also available at <http://www.in.gov/idem/prevention/esp/table.doc>. The indicator you select for your initiative should be related to the objectives and targets in your EMS. Where possible, indicators should also be identified as having a significant environmental impact in your EMS. No more than two of your indicators can be from the same environmental category during the 3-year term. If you are not sure how your objectives and targets fit into the indicators from the Environmental Performance Indicator Table or whether your indicators are significant, call IDEM at 800-988-7901.

Please complete the following questions according to the environmental indicator you selected from the Environmental Performance Indicator Table. Additional information is required for air, hazardous waste, solid waste, and energy indicators as requested in Appendix 1.

1a What category have you selected from the Environmental Performance Table? (If the category is Energy Use, Waste, or Air Emissions for Total GHGs, please turn to Appendix 1 to complete additional questions pertaining to the category you have selected.) **Energy Use**

1b What indicator have you selected from the Environmental Performance Table? **Total non transportation energy use by fuel type**

1c All measurements should represent the performance level for the indicator across the entire facility. For many indicators, you may choose to focus your initiative on a specific subset of the indicator (e.g., a specific material, process, VOC, group of toxic air emissions, or particular waste component). Does your initiative include everything covered by the indicator (e.g., all VOCs, all non-hazardous waste), or a specific process, substance, or component (e.g., ethane, cardboard)?

- ☐ All
☒ Specific

If your initiative is specific to a substance or component, please provide additional detail on your indicator (e.g., specific chemical to be reduced, specific waste component). **Electricity use across the facility**

1d What activities or process changes do you plan to undertake at your facility to accomplish your initiative (e.g., technology changes in a particular process line, employee training)? **Purchase a new air compressor 250 HP Comp aire unit that replaces an older Kobleco 250 HP LP compressor. The new compressor is more efficient than the old and is suppose to reduce electricity usage for that unit. This will be the primary unit for use in 2009.**

2a Does this initiative address a significant aspect in your EMS?

- ☒ Yes
☐ No

2b If no, please explain why you believe this indicator should be included as an environmental improvement initiative.

Stop! If the category listed in Question 1a is Energy Use, Waste, or Air Emissions for Total GHGs, please skip Questions 3a – 3b below and turn to Appendix 1 to complete the questions pertaining to the category you listed. After completing Appendix 1, return to question 4 and complete the remaining questions regarding your facility's environmental improvement initiative.

3a What units are you using to quantify this indicator?

(Please refer to the Environmental Performance Indicator Table for the acceptable units for each indicator.)

3b List the baseline annual quantity of the indicator and the annual quantity you are committing to achieve by the future year.

Baseline quantity	Year
Future year quantity (not including production)	Year

4 Does the quantity presented in the future quantity column represent an absolute goal or a normalized goal?

- ☒ Normalized goal (i.e., indexed to level of business in baseline year)
☐ Absolute goal (i.e., demonstrates improvement even if production increases)

5 Whether your goal is absolute or normalized, you will need to provide normalizing factors and normalized quantities in your annual performance reports. Please briefly describe your basis for normalizing. Examples of potential normalizing basis include: gallons of paint produced, square feet of circuit boards sold, number of patients seen, dollars of sales adjusted for inflation, or number of employees (for R&D and administrative sites only).

Dollars of sales adjusted for inflation

6a Are you subject to Federal, State, tribal, or local regulatory requirements for this indicator?

- ☐ Yes
☒ No

6b If yes, explain how your initiative exceeds regulatory requirements.

SECTION E

PUBLIC OUTREACH AND PERFORMANCE REPORTING

Why do we need this information?

IDEM needs to know how environmental information was shared with the public.

What do you need to do?

Describe how the facility has shared and plans to share environmental information.

Please briefly describe the activities that your facility conducted during this reporting period to interact with the community on environmental issues and to report publicly on its environmental performance. Feel free, but not obligated, to attach supporting materials (e.g., meeting agendas, public announcements).

We were publized in the Franklin daily journal and the also the Business Exchange magazine that our picture was put on the front cover saying that Mitsubishi is turning green.

Please indicate which of the following methods your facility plans to use to make its ESP Annual Performance Report available to the public. Please check as many as appropriate.

- ☐ Website (http://www.)
☐ Open House
☒ Meetings

- ☐ Press Releases
- ☐ Community Advisory Panel
- ☐ Other

SECTION F

ADDITIONAL INFORMATION

Why do we need this information?

This information will help IDEM to effectively manage the Environmental Stewardship Program.

What do you need to do?

Answer the questions as completely as possible.

- In addition to ESP, please list environmental awards received or voluntary programs participated in during the past twelve months (include information about each particular program).
None
- Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.
In the process of modify our air registration. Will be filling out the paper work necessary for modification of the storm water permit, waste water permit and Spill prevention plan for the frequency of sampling or inspections.
- If your facility was not registered to the ISO 14001 standard prior to becoming an ESP member, has ESP helped you to pursue registration? If so, how has ESP been instrumental in achieving registration?
We were already registered
- Explain the measured or perceived results from receiving, documenting, and responding to external communication.
I don't really see the value added at our location in recording external communications. The only response we have given in the past for inquireys are to give a copy of our environmental policy. Upper management has determined that is the only thing we should share unless it would be an award.
- How have community residents and businesses reacted to your facility participating in the Indiana Environmental Stewardship Program?
We had several comments about how glad they were to know that a factory would strive to become friendly to our surrounding environment and to be consioncious of what we release to the atmosphere or water drainage.
- According to the measurement program developed and implemented by your facility to measure Environmental Management System success, is your facility's EMS successful? Why or why not? If not, what changes will be made to ensure continual environmental improvement and future EMS success?
I believe the EMS has made or organization very successful. One thing is to consider it is a customer requirement and it has help us with our documentation of records on compliance issues. It helps keep upper management informed on Environmental issues or success through management review meetings that we hold monthly.

CERTIFICATION AND PLEDGE

On behalf of **Mitsubishi Climate Control** (name of facility),

I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.

We, **Mitsubishi Climate Control**, commit to maintaining the principles and goals outlined in our Environmental Management System for our facility's Indiana Environmental Stewardship Program status. We agree to strive for full compliance with all regulations promulgated by the U.S. EPA, state, or local jurisdictions. We agree to promote the Indiana Environmental Stewardship Program and to share our success stories with other facilities. We understand that the Annual Performance Report must be submitted to IDEM by April 1st of each year and that we must reapply to the Indiana Environmental Stewardship Program every three years.

I understand that the information provided in this Annual Performance Report will be public record. I am the senior facility manager or authorized facility signatory, and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is submitting this Annual Performance Report.

Signature
Kent M. Smith

Title
Facility/Environmental Manager

Date (month, day, year)
3/31/09

Please mail, fax, or e-mail your completed Environmental Stewardship Program Annual Performance Report to:

IDEM-OPPTA
ESP Program Manager
MC 64-00 IGCS W041
100 North Senate Avenue
Indianapolis, IN 46204-2251

FAX: 317-233-5627
E-mail: esp@idem.IN.gov

☐ Press Releases☐ Community Advisory Panel☐ Other

ADDITIONAL INFORMATION

What do you need to do?

Answer the questions as completely as possible.

SECTION F
Why do we need this information?

This information will help IDEM to effectively manage the Environmental Stewardship Program.

- In addition to ESP, please list environmental awards received or voluntary programs participated in during the past twelve months (include information about each particular program).
None
- Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider.
In the process of modify our air registration. Will be filling out the paper work necessary for modification of the storm water permit, waste water permit and Spill prevention plan for the frequency of sampling or inspections.
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I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.

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I understand that the information provided in this Annual Performance Report will be public record. I am the senior facility manager or authorized facility signatory, and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is submitting this Annual Performance Report.

Signature

Kent M. Smith

Kent M. Smith

Title

Facility/Environmental Manager

Date (month, day, year)

3/31/09

Additional questions for environmental improvement initiatives for the following categories/indicators:

Energy Use - Non-Transportation

In the table below, please enter the amount of energy that you currently use and that you intend to use in your future reporting year. Break the energy use down by fuel type. Please note that you need only complete those lines that are relevant to your facility. If all of your energy is purchased from a local electricity generator, you may only need to complete the first line. If the facility uses natural gas, please be sure to complete the appropriate line (natural gas is typically combusted on site so it is listed in the "onsite" section).

Please note that this table categorizes sources of energy according to where the energy is generated.

3a Is the goal of your energy use commitment to:

- ☒ Reduce total energy use
☐ Invest in renewable energy sources
☐ Combination of both strategies

3b How much energy of each type does your facility use?

		Baseline Year 2008	Future Year 2009	Units
Energy Generated Off-Site	Electricity	6,617,000	4,800,000	KWH
	Steam			
	Total Energy Generated Off-Site			
Sources of Energy Generated On-Site	Coal			
	Natural Gas			
	Crude Oil			
	Fuel Oil			
	Diesel			
	Propane / LPG			
	Gasoline			
	Hydrogen Powered Fuel Cells			
	Natural Gas / Methane Powered Fuel Cells			
	Biomass			
	Solar			
	Wind			
	Landfill Gas			
	Geothermal			
	Hydroelectric			
	Tire Derived Fuel			
	Other Fuel or Source Specify: _____			
	Total Energy Generated On-Site			
Total Renewable Energy Use				
Total Non-Renewable Energy Use				
Total Energy Use				
Metric Tons of CO2 Equivalents				
Metric Tons of CO2 Equivalents				
Offset Through Purchases of Electricity from Renewable Off-Site Sources				
Net Metric Tons of CO2 Equivalents				

Waste - Non-Hazardous Waste Generation

In the table below, please enter your facility's amount of non-hazardous waste, broken down by waste management method. Please enter both the amounts you manage currently and that you intend to manage in your future reporting year. "Waste" is defined as all materials sent off-site that are neither product nor product packaging.

3a Is the goal of your non-hazardous waste commitment to:

- ☐ Reduce non-hazardous waste
☐ Improve waste management methods
☐ Combination of both strategies

3b How much of your waste is handled using each management method?

Method of Waste Managed	Baseline Year 20_____	Future Year 20_____	Units
Landfill			
Incineration			
Reused/recycled off-site			
Other management - Specify: _____			
Total Non-Hazardous Waste			

Waste - Hazardous Waste Generation

In the table below, please enter your facility's amount of hazardous waste, broken down by waste management method. Please enter both the amounts that you manage currently and that you intend to manage in your future reporting year. Include all hazardous waste that is treated on-site or sent off-site.

3a Is the goal of your hazardous waste commitment to:

- ☐ Reduce hazardous waste
☐ Improve waste management methods
☐ Combination of both strategies

3b How much of your hazardous waste is handled using each management method?

Method of Waste Managed	Baseline Year 20_____	Future Year 20_____	Units
Landfill			
Incineration			
Reused/recycled off-site			
Treated on-site			
Other management Specify: _____			
Total Hazardous Waste			

Air Emissions – Total GHGs

3a Is the goal of your Total GHGs commitment to:

- ☐ Reduce energy use
- ☐ Reduce process-related emissions
- ☐ Combination of both strategies

3b How much greenhouse gas does your facility emit from each source?

Source		Baseline Year 20	Future Year 20	Units
Direct Emissions	Stationary Combustion			
	Mobile Sources			
	Refrigeration/AC Equipment Use			
	Process/Fugitive Specify Source: _____			
	Process/Fugitive Specify Source: _____			
	Process/Fugitive Specify Source: _____			
	Total Direct Emissions Process/Fugitive			
Indirect Emissions	Purchased Electricity			
	Purchased Steam			
	Purchased Hot Water			
	Total Indirect Emissions			
Optional Indirect Emissions	Other Specify Source: _____			
	Other Specify Source: _____			
	Other Specify Source: _____			
	Total Optional Indirect Emissions			
Offsets	Offsets Specify Source: _____			
	Offsets Specify Source: _____			
	Offsets Specify Source: _____			
	Total Reductions from Offsets			
	Total Emissions Less Offsets			
Supplemental Information	Total CFC			
	Total HCFC			
	Total Stationary Combustion – Biomass CO2			
	Total Mobile Sources – Biomass CO2			
	Electricity trading transactions- Electricity Purchase for Resale			

